July 21, 1955

Dear Dr. Lederberg:

I have received the Journal of Bacteriology Vol. 69 No. 5, in which my report is published. I am feeling very happy to see my papers printed, and I wish to thank you profoundly again for your kindness and the trouble you took for improving my papers and proof reading. I am receiving many requests asking for reprint even before the Journal itself arrived. The reprints have not arrived as yet but I am expecting them soon.

In this connection, I may report you of my work since I wrote you last with following results:

1) Serological comparison of phages, which were obtained from S.newington, S.selandia, S.newbrunswick, S.cambridge, S.kinshasa, S.canoga, S.illinois and S.thomasville and are capable of converting O antigens, have revealed that they are neutralized crosswise by each other serum.

2) It has been found that S.newbrunswick, S.illinois and S.thomasville are also capable of producing other phages than that responsible for antigenic conversion. The formers are distinct from the latter, both in serological specificity and in plaque morphology.

3) Strains #2922 and 3534, which are lactose-fermenting, gram-negative rods with complete antigens of S.newington(3,15: e,h:1,6), have been found to be lysogenic, producing phages capable of converting O antigens from 3,10 to 3,15.

4) Considerable host-controlled variation has been observed between E_2 phages and E_1 cells. This is now under study and may have some bearing on phylogeny of Group E Salmonellas.

Thanking you again for everything,

Yours sincerely,
Hisao Uetake
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